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CLAIMS

an AV server (1) provided with a receive section (11) for

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1. An AV network system comprising:

receiving an analog broadcast signal, an encoder (12) for encoding the analog broadcast signal received by the receive section (11) in MPEG form, and a network interface section (13) for transmitting data encoded by the encoder via a network (3), and an AV client unit (2) provided with a network interface section (21) for receiving data transmitted via the network (3), a decoder (22) for decoding MPEG data received by the network interface section (21), an output section (23) for outputting an image signal decoded by the decoder (22), and a user interface section (24) for receiving an instruction to switch a channel of a broadcast signal received by the receive section (11) of the AV server (1) from a user, wherein

when the user interface section (24) receives an instruction to switch the broadcast signal channel from the user, the encoder (12) encodes a switched channel analog broadcast signal received by the receive section, to initially create MPEG data made up of one GOP consisting of one I picture, the decoder (22) decodes data made up of the one GOP consisting of one I picture received via the network (3) and encoded by the encoder (12), and the output section (23) outputs an image signal for a still picture decoded by the decoder (22).

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2. An AV unit, comprising:

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a receive section (30) for receiving an analog broadcast signal;

a user interface section (35) for receiving an instruction to switch a channel of a broadcast signal received by the receive section (30) from a user;

an encoder (31) for encoding a switched channel analog broadcast signal received by the receive section (30) in MPEG form, when the user interface section (35) receives a channel switching instruction from the user, to initially create MPEG data made up of one GOP consisting of one I picture;

a decoder (32) for decoding the data encoded by the encoder (31); and

an output section (34) for outputting an image signal for 15 a still picture decoded by the decoder (32).

3. The AV unit according to claim 2, wherein:

the decoder (32) is provided with a buffer memory (32a) for storing MPEG data sent from the decoder (31); and

the decoder (32) decodes MPEG data made up of one GOP consisting of one I picture stored in the buffer memory (32a), and sends the decoded image signal for a still picture repeatedly to the output section (34).

25 4. The AV unit according to claim 3, wherein:

the decoder (32) is provided with a buffer memory (32a) for storing MPEG data sent from the decoder (31); and

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the decoder (32) discards data stored in the buffer memory (32a) when the user interface section (35) receives a channel switching instruction.

5. The AV unit according to claim 4, wherein:

the decoder (32) discards data stored in the buffer memory (32a), and discards data received before receipt of data made up of one GOP consisting of one I picture from the encoder (31).

6. The AV unit according to claim 2, wherein:

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the decoder (32) is provided with a buffer memory (32a) for storing MPEG data sent from the decoder (31); and

the decoder (32) stores data received consecutively with the data made up of one GOP consisting of one I picture in the buffer memory (32a), and decodes the data to output the MPEG data made up of one GOP consisting of one I picture stored in the buffer memory (32a) until a given amount of data has been accumulated in the buffer memory (32a).

7. The AV unit according to claim 2, wherein:

the decoder (32) is provided with a buffer memory (32a) for storing MPEG data sent from the decoder (31); and

the decoder (32), after decoding data made up of one GOP consisting of one I picture, stores data received consecutively with the data in the buffer memory (32a), and sequentially decodes the data to output the image signal so that a frame of the decoded image signal is interpolated.

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8. An AV unit, comprising:

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a receive section (30) for receiving an analog broadcast signal;

a user interface section (35) for receiving an instruction to switch a channel of a broadcast signal received by the receive section (30) from a user; and

an encoder (31) for encoding a switched channel analog broadcast signal received by the receive section (30) in MPEG form, when the user interface section (35) receives a channel switching instruction from the user, to initially create MPEG data made up of one GOP comprising of smaller numbers of pictures than that of before receiving said switching instruction.

9. An image signal processing method, comprising: receiving an analog broadcast signal;

receiving an instruction to switch a channel of a broadcast signal to be received from a user;

encoding a received switched channel analog broadcast signal in MPEG form, when a channel switching instruction is received from the user, to initially create MPEG data made up of one GOP with one I picture;

decoding the encoded data; and outputting an decoded image signal for a still picture.

25 10. An image signal processing method, comprising: receiving an analog broadcast signal; receiving an instruction to switch a channel of a broadcast

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signal to be received;

encoding a received switched channel analog broadcast signal, when a channel switching instruction is received from the user, to initially create MPEG data made up of one GOP comprising of smaller numbers of pictures than that of before receiving said switching instruction;

decoding the encoded data; and outputting an decoded image signal for a still picture.